ELSEVIER

Journal of Non-Crystalline Solids 246 (1999) 241–242

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author Index

Albert, J., see Essid, M. 246 (1999) 39
Alié, C., R. Pirard, A.J. Lecloux and J.-P. Pirard, Preparation of low-density xerogels through additives to TEOS-based alcogels 246 (1999) 216
Anderson, J.A. and C.A. Fergusson, Surface and bulk properties of silica–zirconia mixed-oxides: acid vs base catalysed condensation 246 (1999) 177
Andersson, Ö.H. and A. Södergård, Solubility and film formation of phosphate and alumina containing silicate glasses 246 (1999) 9
Appleyard, P., see Johnson, J.A. 246 (1999) 104
Arcobello-Varlese, F., see Branda, F. 246 (1999) 27
Awazu, K., see Essid, M. 246 (1999) 39

Beaucage, G., see Singhal, A. 246 (1999) 197
Branda, F., F. Arcobello-Varlese, A. Costantini and G. Luciani, T_g and FTIR of $(2.5-x)CaO{\cdot}x/3M_2O_3{\cdot}2SiO_2$ (M=Y, La, In, Al, Ga) glasses 246 (1999) 27
Brebner, J., see Essid, M. 246 (1999) 39

Cao, B. and C. Zhu, Sol–gel derived self-supporting film 246 (1999) 34
Cappelletti, R.L., see Florescu, D.I. 246 (1999) 150
Chernov, V.A., see Choi, Y.G. 246 (1999) 128
Choi, Y.G., K.H. Kim, V.A. Chernov and J. Heo, Pb LIII-edge EXAFS and XANES analyses on the structural environment of lead in PbO–Ga_2O_3 glasses 246 (1999) 128
Costantini, A., see Branda, F. 246 (1999) 27

de Bernabé, A., see Prieto, C. 246 (1999) 169
Doi, A., Free volumes in several ion-conducting glasses 246 (1999) 155
Dupree, R., see Hussin, R. 246 (1999) 159

Essid, M., J. Albert, J. Brebner and K. Awazu, Correlation between oxygen-deficient center concentration and KrF excimer laser induced defects in thermally annealed Ge-doped optical fiber preforms 246 (1999) 39

Fergusson, C.A., see Anderson, J.A. 246 (1999) 177
Florescu, D.I. and R.L. Cappelletti, Optical anisotropy in pulsed laser deposited a-$GeSe_2$ thin films 246 (1999) 150
Fokin, V.M. and E.D. Zanotto, Surface and volume nucleation and growth in TiO_2–cordierite glasses 246 (1999) 115
Fukube, H., see Monde, T. 246 (1999) 54

Gay-Sanz, N., see Prieto, C. 246 (1999) 169
Gedeon, O., K. Jurek and V. Hulínský, Fast migration of alkali ions in glass irradiated by electrons 246 (1999) 1

Harada, H. and K. Tanaka, Photoluminescence from Pr^{3+}-doped chalcogenide glasses excited by bandgap light 246 (1999) 189
Harris, M.T., see Singhal, A. 246 (1999) 197
Heo, J., see Choi, Y.G. 246 (1999) 128
Hernández, G. and R. Rodríguez, Adsorption properties of silica sols modified with thiol groups 246 (1999) 209
Holland, D., see Hussin, R. 246 (1999) 159
Holland, D., see Johnson, J.A. 246 (1999) 104
Horie, K., see Yoshii, K. 246 (1999) 90
Hu, M.Z.-C., see Singhal, A. 246 (1999) 197
Hussin, R., R. Dupree and D. Holland, The Ge–Ô–Ge bond angle distribution in GeO_2 glass: a NMR determination 246 (1999) 159
Hulínský, V., see Gedeon, O. 246 (1999) 1

Isard, J.O., The Haven ratio in glasses 246 (1999) 16
Itoh, M., see Yoshii, K. 246 (1999) 90

Johnson, C.E., see Johnson, J.A. 246 (1999) 104
Johnson, J.A., C.E. Johnson, D. Holland, A. Mekki, P. Appleyard and M.F. Thomas, Transition metal ions in ternary sodium silicate

glasses: a Mössbauer and neutron study 246 (1999) 104
Jurek, K., see Gedeon, O. 246 (1999) 1

Keefer, K.D., see Singhal, A. 246 (1999) 197
Kim, K.H., see Choi, Y.G. 246 (1999) 128
Konakahara, T., see Monde, T. 246 (1999) 54

Lecloux, A.J., see Alié, C. 246 (1999) 216
Lee, J., T. Yano, S. Shibata and M. Yamane, Structural evolution during Cu^+/Na^+ ion-exchange in the system Na_2O–Al_2O_3–SiO_2 246 (1999) 83
Lin, J.S., see Singhal, A. 246 (1999) 197
Luciani, G., see Branda, F. 246 (1999) 27

Machida, S., see Yoshii, K. 246 (1999) 90
Mackenzie, J.D., see Xu, Y. 246 (1999) 136
Maruizumi, T., J. Ushio and M. Miyao, Molecular orbital theory examination into improved gate oxide integrity through the incorporation of nitrogen and fluorine 246 (1999) 73
Mateleshko, A.V., see Mikla, V.I. 246 (1999) 46
Mekki, A., see Johnson, J.A. 246 (1999) 104
Mikla, V.I., A.V. Mateleshko, V.V. Mikla and Yu.Yu. Nagy, Spectroscopic studies of gap states in amorphous Sb_xSe_{1-x} alloys 246 (1999) 46
Mikla, V.V., see Mikla, V.I. 246 (1999) 46
Miyao, M., see Maruizumi, T. 246 (1999) 73
Monde, T., H. Fukube, F. Nemoto, T. Yoko and T. Konakahara, Preparation and surface properties of silica-gel coating films containing branched-polyfluoroalkylsilane 246 (1999) 54
Morino, S., see Yoshii, K. 246 (1999) 90
Mukerji, T., see Sen, S. 246 (1999) 229

Nagy, Yu.Yu., see Mikla, V.I. 246 (1999) 46
Nemoto, F., see Monde, T. 246 (1999) 54
Nishida, F., see Yoshii, K. 246 (1999) 90

Peterson, J.R., see Singhal, A. 246 (1999) 197
Pirard, J.-P., see Alié, C. 246 (1999) 216
Pirard, R., see Alié, C. 246 (1999) 216
Prieto, C., A. de Bernabé, N. Gay-Sanz, M. Vázquez and S.-C. Yu, Structural study of the mechanically alloyed Fe–Co–Cu nanocrystalline system 246 (1999) 169

Rodríguez, R., see Hernández, G. 246 (1999) 209

Sen, S. and T. Mukerji, A generalized classical nucleation theory for rough interfaces: application in the analysis of homogeneous nucleation in silicate liquids 246 (1999) 229
Shibata, S., see Lee, J. 246 (1999) 83
Sidhu, L.S. and S. Zukotynski, Monohydride clustering in the amorphous silicon matrix 246 (1999) 65
Singhal, A., G. Beaucage, M.T. Harris, L.M. Toth, K.D. Keefer, J.S. Lin, M.Z.-C. Hu and J.R. Peterson, Structure and growth kinetics of zirconium hydrous polymers in organic solutions 246 (1999) 197
Södergård, A., see Andersson, Ö.H. 246 (1999) 9

Tanaka, K., see Harada, H. 246 (1999) 189
Thomas, M.F., see Johnson, J.A. 246 (1999) 104
Toth, L.M., see Singhal, A. 246 (1999) 197

Ushio, J., see Maruizumi, T. 246 (1999) 73

Vázquez, M., see Prieto, C. 246 (1999) 169

Xu, Y. and J.D. Mackenzie, A theoretical explanation for ferroelectric-like properties of amorphous $Pb(Zr_xTi_{1-x})O_3$ and $BaTiO_3$ 246 (1999) 136

Yamane, M., see Lee, J. 246 (1999) 83
Yamashita, T., see Yoshii, K. 246 (1999) 90
Yano, T., see Lee, J. 246 (1999) 83
Yoko, T., see Monde, T. 246 (1999) 54
Yoshii, K., T. Yamashita, S. Machida, K. Horie, M. Itoh, F. Nishida and S. Morino, Photo-probe study of siloxane polymers. I. Local free volume of an MQ-type silicone resin containing crosslinked nanoparticles probed by photoisomerization of azobenzene 246 (1999) 90
Yu, S.-C., see Prieto, C. 246 (1999) 169

Zanotto, E.D., see Fokin, V.M. 246 (1999) 115
Zhu, C., see Cao, B. 246 (1999) 34
Zukotynski, S., see Sidhu, L.S. 246 (1999) 65

ELSEVIER

Journal of Non-Crystalline Solids 246 (1999) 243–245

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject Index

Aerogels
Sol-Gel Precursors, Sol-Gel Processes 246 (1999) 216

Alkali Borate Glasses
Alkali Silicate Glasses, Free Volume, Structure 246 (1999) 155

Alkali Silicate Glasses
Alkali Borate Glasses, Free Volume, Structure 246 (1999) 155
Diffusion, Electron Irradiation 246 (1999) 1
Mössbauer Effect, Neutron Diffraction, Structure 246 (1999) 104

Amorphous Semiconductors
Chalcogenide Glasses, Electrical Properties 246 (1999) 46

Biopolymer
Collective Modes, Surface Reactions 246 (1999) 9

Bonding
Modelling, Molecular Orbital Calculation, Silica, Silicon Nitride 246 (1999) 73

Chalcogenide Glasses
Amorphous Semiconductors, Electrical Properties 246 (1999) 46

Chalcogenides
Luminescence, Rare Earth Ions 246 (1999) 189

Clusters
Hydrogen Effects, Infra-red Absorption, Silicon, Thin Films 246 (1999) 65

Coatings
Sol-Gel Processes, Thin Films 246 (1999) 54

Collective Modes
Biopolymer, Surface Reactions 246 (1999) 9

Crystallization
Fractals, Nucleation, Silicates 246 (1999) 229
Nucleation, Surface Reactions 246 (1999) 115

Dielectric Properties
Electric Properties, Electronic Structure, Oxides 246 (1999) 136

Diffusion
Alkali Silicate Glasses, Electron Irradiation 246 (1999) 1

Drying
Sol-Gel Processes, Thin Films 246 (1999) 34

EXAFS
Oxides, Structure 246 (1999) 128

Electric Properties
Dielectric Properties, Electronic Structure, Oxides 246 (1999) 136

Electrical Properties
Amorphous Semiconductors, Chalcogenide Glasses 246 (1999) 46

Electron Irradiation
Alkali Silicate Glasses, Diffusion 246 (1999) 1

Electronic Structure
Dielectric Properties, Electric Properties, Oxides 246 (1999) 136

Fractals
Crystallization, Nucleation, Silicates 246 (1999) 229

Free Volume
Alkali Borate Glasses, Alkali Silicate Glasses, Structure 246 (1999) 155

Germania
Nuclear Magnetic Resonance, Structure 246 (1999) 159
Photoinduced effects, Photoresponse, Silica 246 (1999) 39

Glass Transition
Infra-red Absorption, Modelling 246 (1999) 27

Hydrogen Effects
Clusters, Infra-red Absorption, Silicon, Thin Films 246 (1999) 65

Infra-red Absorption
Clusters, Hydrogen Effects, Silicon, Thin Films 246 (1999) 65
Glass Transition, Modelling 246 (1999) 27
Particles, Raman Spectra, Sol-Gel Processes 246 (1999) 209
Silicates, Structure, Surface Properties, Zirconia 246 (1999) 177

Ion Exchange
Silicates, Structure 246 (1999) 83

Ionic Conductivity
Modelling, Transport Properties - Solids 246 (1999) 16

Luminescence
Chalcogenides, Rare Earth Ions 246 (1999) 189

Mössbauer Effect
Alkali Silicate Glasses, Neutron Diffraction, Structure 246 (1999) 104

Metallic Glasses
Structure, X-ray Absorption, X-ray Diffraction 246 (1999) 169

Modelling
Bonding, Molecular Orbital Calculation, Silica, Silicon Nitride 246 (1999) 73
Glass Transition, Infra-red Absorption 246 (1999) 27
Ionic Conductivity, Transport Properties - Solids 246 (1999) 16

Molecular Orbital Calculation
Bonding, Modelling, Silica, Silicon Nitride 246 (1999) 73

Neutron Diffraction
Alkali Silicate Glasses, Mössbauer Effect, Structure 246 (1999) 104

Nuclear Magnetic Resonance
Germania, Structure 246 (1999) 159

Nucleation
Crystallization, Fractals, Silicates 246 (1999) 229
Crystallization, Surface Reactions 246 (1999) 115

Optical Properties
Thin Films 246 (1999) 150

Oxides
EXAFS, Structure 246 (1999) 128

Particles
Infra-red Absorption, Raman Spectra, Sol-Gel Processes 246 (1999) 209

Photoinduced effects
Germania, Photoresponse, Silica 246 (1999) 39

Photoresponse
Germania, Photoinduced effects, Silica 246 (1999) 39
Polymer Solutions, Structure 246 (1999) 90

Polymer Solutions
Photoresponse, Structure 246 (1999) 90

Oxides
Dielectric Properties, Electric Properties, Electronic Structure 246 (1999) 136

Raman Spectra
Infra-red Absorption, Particles, Sol-Gel Processes 246 (1999) 209

Rare Earth Ions
Chalcogenides, Luminescence 246 (1999) 189

Silica
Bonding, Modelling, Molecular Orbital Calculation, Silicon Nitride 246 (1999) 73
Germania, Photoinduced effects, Photoresponse 246 (1999) 39

Silicates
Crystallization, Fractals, Nucleation 246 (1999) 229
Infra-red Absorption, Structure, Surface Properties, Zirconia 246 (1999) 177
Ion Exchange, Structure 246 (1999) 83

Silicon Nitride
Bonding, Modelling, Molecular Orbital Calculation, Silica 246 (1999) 73

Silicon
Clusters, Hydrogen Effects, Infra-red Absorption, Thin Films 246 (1999) 65

Small Angle X-ray Scattering
Sol-Gel Processes, Structure 246 (1999) 197

Sol-Gel Precursors
Aerogels, Sol-Gel Processes 246 (1999) 216

Sol-Gel Processes
Aerogels, Sol-Gel Precursors 246 (1999) 216
Coatings, Thin Films 246 (1999) 54
Drying, Thin Films 246 (1999) 34

Infra-red Absorption, Particles, Raman Spectra 246 (1999) 209
Small Angle X-ray Scattering, Structure 246 (1999) 197

Structure
Alkali Borate Glasses, Alkali Silicate Glasses, Free Volume 246 (1999) 155
Alkali Silicate Glasses, Mössbauer Effect, Neutron Diffraction 246 (1999) 104
EXAFS, Oxides 246 (1999) 128
Germania, Nuclear Magnetic Resonance 246 (1999) 159
Infra-red Absorption, Silicates, Surface Properties, Zirconia 246 (1999) 177
Ion Exchange, Silicates 246 (1999) 83
Metallic Glasses, X-ray Absorption, X-ray Diffraction 246 (1999) 169
Photoresponse, Polymer Solutions 246 (1999) 90
Small Angle X-ray Scattering, Sol-Gel Processes 246 (1999) 197

Surface Properties
Infra-red Absorption, Silicates, Structure, Zirconia 246 (1999) 177

Surface Reactions
Biopolymer, Collective Modes 246 (1999) 9
Crystallization, Nucleation 246 (1999) 115

Thin Films
Clusters, Hydrogen Effects, Infra-red Absorption, Silicon 246 (1999) 65
Coatings, Sol-Gel Processes 246 (1999) 54
Drying, Sol-Gel Processes 246 (1999) 34
Optical Properties 246 (1999) 150

Transport Properties - Solids
Ionic Conductivity, Modelling 246 (1999) 16

X-ray Absorption
Metallic Glasses, Structure, X-ray Diffraction 246 (1999) 169

X-ray Diffraction
Metallic Glasses, Structure, X-ray Absorption 246 (1999) 169

Zirconia
Infra-red Absorption, Silicates, Structure, Surface Properties 246 (1999) 177